

B1-13  
Statfz 11  
2/7/03

```
=> file ca

=> s (macI and meiocyte?)/ab,bi
L1          0 (MACI AND MEIOCYTE?)/AB,BI
=> s (macI and (maize or corn or zea))/ab,bi
L2          0 (MACI AND (MAIZE OR CORN OR ZEA))/AB,BI
=> s macI/ab,bi
L3          7 MACI/AB,BI

=> file biosis

=> s l3
L4          14 MACI/AB,BI

=> dup rem
L5          21 DUP REM L3 L4 (0 DUPLICATES REMOVED)

=> d 15 ti py 1-21

=> d 15 4 6 10 12 15 20

L5  ANSWER 4 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN  2000:103647 BIOSIS
DN  PREV200000103647
TI  The mac1 mutation alters the developmental fate of the hypodermal cells
    and their cellular progeny in the maize anther.
AU  Sheridan, William F. (1); Golubeva, Elena A.; Abrhamova, Ludmila I. ;
    Golubovskaya, Inna N.
CS  (1) Department of Biology, University of North Dakota, Grand Forks, ND,
    58202-9019 USA
SO  Genetics, (Oct., 1999) Vol. 153, No. 2, pp. 933-941.
    ISSN: 0016-6731.
DT  Article
LA  English
SL  English

=> d 15 ab 4 6 10 12 15 20

=> file ca

=> s (sporogenesis or megasporogenesis or microsporocyte? or megasporocyte? or m
L6          525 (SPOROGENESIS OR MEGASPOROGENESIS OR MICROSPOROCYTE? OR MEGASPOR
    OCYTE? OR MEIOCYTE?)/AB,BI
=> s (gene or genes)/ab,bi
L7          767181 (GENE OR GENES)/AB,BI
=> s 16(10a)17
L8          31 L6(10A)L7
```

=> s 18

L9 48 L6(10A) L7

=> dup rem

L10 63 DUP REM L8 L9 (16 DUPLICATES REMOVED)

=> d l10 1-63 ti py

=> d l10 15-17 23 27 43

L10 ANSWER 15 OF 63 CA COPYRIGHT 2003 ACS

DUPLICATE 6

AN 132:2069 CA

TI Molecular analysis of NOZZLE, a \*\*\*gene\*\*\* involved in pattern formation and early \*\*\*sporogenesis\*\*\* during sex organ development in *Arabidopsis thaliana*

AU Schieffthaler, Ursula; Balasubramanian, Sureshkumar; Sieber, Patrick; Chevalier, David; Wisman, Ellen; Schneitz, Kay

CS Institute of Plant Biology, University of Zurich, Zurich, CH-8008, Switz.

SO Proceedings of the National Academy of Sciences of the United States of America (1999), 96(20), 11664-11669

CODEN: PNASA6; ISSN: 0027-8424

PB National Academy of Sciences

DT Journal

LA English

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 16 OF 63 CA COPYRIGHT 2003 ACS

DUPLICATE 7

AN 131:318459 CA

TI The SPOROCYTELESS \*\*\*gene\*\*\* of *Arabidopsis* is required for initiation of \*\*\*sporogenesis\*\*\* and encodes a novel nuclear protein

AU Yang, Wei-Cai; Ye, De; Xu, Jian; Sundaresan, Venkatesan

CS The Institute of Molecular Agrobiology, National University of Singapore, Singapore, 117604, Singapore

SO Genes & Development (1999), 13(16), 2108-2117

CODEN: GEDEEP; ISSN: 0890-9369

PB Cold Spring Harbor Laboratory Press

DT Journal

LA English

RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 17 OF 63 CA COPYRIGHT 2003 ACS

AN 130:348061 CA

TI *Arabidopsis STERILE APETALA*, a multifunctional gene regulating inflorescence, flower, and ovule development

AU Byzova, Marina V.; Franken, John; Aarts, Mark G. M.; De Almeida-Engler, Janice; Engler, Gilbert; Mariani, Celestina; Van Lookeren Campagne, Michiel M.; Angenent, Gerco C.

CS Department of Developmental Biology, Centre for Plant Breeding and Reproduction Research (CPRO-DLO), Wageningen, 6700 AA, Neth.

SO Genes & Development (1999), 13(8), 1002-1014

CODEN: GEDEEP; ISSN: 0890-9369

PB Cold Spring Harbor Laboratory Press

DT Journal

LA English

RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 23 OF 63 CA COPYRIGHT 2003 ACS

DUPLICATE 8

TI TETRASPORE is required for male meiotic cytokinesis in *Arabidopsis thaliana* *No later*  
AU Spielman, Melissa; Preuss, Daphne; Li, Feng-Lan; Browne, William E.; *gene*  
Scott, Rod J.; Dickinson, Hugh G.  
CS Department of Plant Sciences, University of Oxford, Oxford, OX1 3RB, UK  
SO Development (Cambridge, United Kingdom) (1997), 124(13), 2645-2657  
CODEN: DEVPED; ISSN: 0950-1991  
PB Company of Biologists  
DT Journal  
LA English

Q L 951.D48

L10 ANSWER 27 OF 63 CA COPYRIGHT 2003 ACS DUPLICATE 9  
AN 122:101859 CA  
TI Genes pam1 and pam2 control cytokinesis at different stages of development of maize sporogenous cells  
AU Golubovskaya, I. N.; Avalkina, N. A.; Peremyslova, E. E.  
CS Vavilov All-Russian Research Institute of Plant Industry, St. Petersburg, 190000, Russia  
SO Genetika (Moscow) (1994), 30(10), 1392-9  
CODEN: GNKAA5; ISSN: 0016-6758  
PB MAIK Nauka  
DT Journal  
LA Russian

L10 ANSWER 43 OF 63 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 1987:484305 BIOSIS  
DN BA84:118948  
TI THE CHROMOSOMAL LOCATION OF A \*\*\*GENE\*\*\* MSG AFFECTING \*\*\*MEGASPOROGENESIS\*\*\* IN DURUM WHEAT.  
AU JOPPA L R; WILLIAMS N D; MAAN S S  
CS AGRIC. RES. SERVICE, UNITED STATES DEP. AGRIC., AGRON. DEP., NORTH DAKOTA STATE UNIV., FARGO, ND, USA 58105.  
SO GENOME, (1987) 29 (4), 578-581.  
CODEN: GENOE3.  
FS BA; OLD  
LA English

=> d 10 ab 18-22 24 29-31 33-34 37 39

L10 ANSWER 19 OF 63 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AB Phenotypic effect of the ig gene (indeterminate gametophyte) was studied. This gene was introgressed into the maize line Embryonic marker from line Wisconsin 23. Our results and data of literature allowed an assumption that expression of the ig gene is independent of genotypic background. Comparison of abnormal patterns observed on different stages of gametophytogenesis showed that the main effect of the ig \*\*\*gene\*\*\* was disruption of the subcellular structure of \*\*\*megasporocyte\*\*\*. This process inhibits formation of the central vacuole after the first mitotic division and, therefore, breaks the subsequent chain of events: polarization, passage of mitotic cycles, cytokinesis, and cell differentiation.

=> d 110 19 21 29 30 39

L10 ANSWER 19 OF 63 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 2000:266576 BIOSIS  
DN PREV200000266576  
TI Phenotypic expression of the ig mutation in megagametophyte of the maize

AU Enaleeva, N. Kh. (1); Ot'kalo, O. V. (1); Tyrnov, V. S. (1)  
CS (1) Genetics Department, Saratov State University, Saratov, 410071 Russia  
SO Genetika, (Feb., 1998) Vol. 34, No. 2, pp. 259-265. print..  
ISSN: 0016-6758.

DT Article

LA Russian

SL English, Russian

L10 ANSWER 21 OF 63 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 1998:409452 BIOSIS

DN PREV199800409452

TI Altering sexual development in Arabidopsis.

AU Vielle-Calzada, Jean-Philippe; Moore, James M.; Gagliano, Wendy B.; Grossniklaus, Ueli (1)

CS (1) Cold Spring Harbor Lab., P.O. Box 100, Cold Spring Harbor, NY 11724 USA

SO Journal of Plant Biology, (June, 1998) Vol. 41, No. 2, pp. 73-81.

DT General Review

LA English

L10 ANSWER 29 OF 63 CA COPYRIGHT 2003 ACS

AN 122:73527 CA

TI Characterization of cDNAs induced in meiotic prophase in lily microsporocytes

AU Kobayashi, Toshiyuki; Kobayashi, Etsuko; Sato, Shusei; Hotta, Yasuo; Miyajima, Nobuyuki; Tanaka, Ayako; Tabata, Satoshi

CS Sch. Sci., Nagoya Univ. Furoh-cho, Nagoya, 464-01, Japan

SO DNA Research (1994), 1(1), 15-26

CODEN: DARSE8; ISSN: 1340-2838

DT Journal

LA English

and  
2/7/03

L10 ANSWER 30 OF 63 CA COPYRIGHT 2003 ACS

DUPPLICATE 10

AN 118:209505 CA

TI Evidence of meiosis-specific regulation of \*\*\*gene\*\*\* expression in lily \*\*\*microsporocytes\*\*\*

AU Tabata, Satoshi; Sato, Shusei; Watanabe, Yoshinori; Yamamoto, Masayuki; Hotta, Yasuo

CS Sch. Sci., Nagoya Univ., Nagoya, 464-01, Japan

SO Plant Science (Shannon, Ireland) (1993), 89(1), 31-41

CODEN: PLSCE4; ISSN: 0168-9452

DT Journal

LA English

Yeast promoters

lily cells

L10 ANSWER 39 OF 63 CA COPYRIGHT 2003 ACS

AN 113:110214 CA

TI Characterization of expressed meiotic prophase repeat transcript clones of Lilium: meiosis-specific expression, relatedness, and affinities to small heat shock protein genes

AU Bouchard, Robert A.

CS Dep. Biol., Coll. Wooster, Wooster, OH, 44691, USA

SO Genome (1990), 33(1), 68-79

CODEN: GENOE3; ISSN: 0831-2796

DT Journal

LA English

✓ printed

=> file uspatfull

=> s 18

L11 3 L6(10A)L7

L11. ANSWER 1 OF 3 USPATFULL  
AN 1998:51934 USPATFULL  
TI Process for modifying the production of carotenoids in plants, and DNA, constructs and cells therefor  
IN Bird, Colin Roger, Berkshire, United Kingdom  
Grierson, Donald, Loughbrough, United Kingdom  
Schuch, Wolfgang Walter, Berkshire, United Kingdom  
PA Zeneca Limited, London, England (non-U.S. corporation)  
PI US 5750865 19980512  
AI US 1994-300582 19940902 (8)  
RLI Continuation of Ser. No. US 1992-859523, filed on 12 Aug 1992, now abandoned which is a continuation of Ser. No. US 1990-625664, filed on 13 Dec 1990, now abandoned  
PRAI GB 1989-28179 19891213  
DT

L11 ANSWER 2 OF 3 USPATFULL  
AN 1998:22507 USPATFULL  
TI Tapetum-specific promoters from Brassicaceae spp  
IN Scott, Roderick John, 95 Martopp Road, Clarendon Pk, Leicester LE2 1 WG, Great Britain  
Draper, John, 10 Shirley Road, Stoneygate, Leicester LE2 2 LJ, Great Britain  
Paul, Wyatt, Flat 5, 74 Stoughton Rd., Leicester LE2 2EB, Great Britain  
PI US 5723754 19980303  
AI US 1995-417460 19950405 (8)  
RLI Continuation of Ser. No. US 1993-78228, filed on 23 Aug 1993, now abandoned  
PRAI GB 1990-28060 19901224  
DT

L11 ANSWER 3 OF 3 USPATFULL  
AN 94:33144 USPATFULL  
TI Modification of carotenoid production in tomatoes using pTOM5  
IN Bird, Colin R., Berkshire, England  
Grierson, Donald, Loughbrough, England  
Schuch, Wolfgang W., Crowthorne, England  
PA Imperial Chemical Industries PLC, London, England (non-U.S. corporation)  
PI US 5304478 19940419  
AI US 1992-995950 19921228 (7)  
RLI Continuation of Ser. No. US 1990-625664, filed on 13 Dec 1990, now abandoned  
PRAI GB 1989-28179 19891213  
DT

=> d l11 1-3 ab

=> log y